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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,272	09/15/2003	Lelia Cosimbescu	85025AEK	9023
7590 02/16/2006			EXAMINER	
Paul A. Leipold			GARRETT, DAWN L	
Patent Legal Sta	iff			
Eastman Kodak Company			ART UNIT	PAPER NUMBER
343 State Street			1774	
Rochester, NY 14650-2201			DATE MAILED: 02/16/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/662,272	COSIMBESCU ET AL.
Office Action Summary	Examiner	Art Unit
	Dawn Garrett	1774
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet wit	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 136(a). In no event, however, may a re will apply and will expire SIX (6) MONT e, cause the application to become ABA	CATION. sply be timely filed I'HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1)⊠ Responsive to communication(s) filed on 16 N	November 2005.	
2a) This action is FINAL . 2b) ⊠ This	s action is non-final.	
3) Since this application is in condition for allowa	·	•
closed in accordance with the practice under a	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) <u>1 and 3-22</u> is/are pending in the appl	lication.	
4a) Of the above claim(s) 11,13 and 15 is/are	withdrawn from consideration	on.
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1,3-10,12,14 and 16-22</u> is/are rejected	∍d.	
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/o	or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examine	er.	
10)⊠ The drawing(s) filed on <u>15 September 2003</u> is/		- ·
Applicant may not request that any objection to the		
Replacement drawing sheet(s) including the correct	•	
11) The oath or declaration is objected to by the E.	xaminer. Note the attached	Office Action or form P10-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. §	119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documen		
2. Certified copies of the priority documen		
3. Copies of the certified copies of the price	•	received in this National Stage
application from the International Burea * See the attached detailed Office action for a list	, , , , , , , , , , , , , , , , , , , ,	received
	. or the defailed depice floci	oddivod.
Attachment(s)		
1) Notice of References Cited (PTO-892)		ummary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Page No.(s)/Mail Date Proper No.(s)/Mail Date Proper No.(s)/Mail Date	5) Notice of In)/Mail Date formal Patent Application (PTO-152)
Paper No(s)/Mail Date	6)	- ·

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DETAILED ACTION

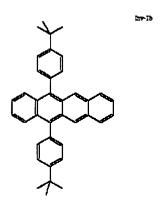
1. This Office action is responsive to the petition decision mailed February 2, 2006. The Declaration under Rule 131 filed November 16, 2005 has now been considered and has been entered.

- 2. The declaration filed on November 16, 2005 under 37 CFR 1.131 is sufficient to overcome the Tsujioka et al. (WO 02/100977) reference. Accordingly, the finality of the rejection of the Office action mailed October 6, 2005 is withdrawn.
- 3. The species under consideration remain as the following:

Host: Aluminum trisoxine alone

First Dopant: Formula 2

Second Dopant: Inv-lb



Claims 11, 13, and 15 are withdrawn as non-elected claims.

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Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1, 3-10, 12, 14, and 16-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakaya et al. (US 6,203,933) in view of Tang et al. (US 4,769,292). Nakaya et al. teaches organic EL elements comprising light emitting layers including a host material such as aluminum complexes having 8-quinolinol as a ligand with regard to the host material aluminum trisoxine (see col. 33, lines 43-48 and 17-28)("host"). At least one compound according to the Nakaya et al. formula (I) is contained in the light emitting layer in an amount of at least 0.1% by weight (see col. 33, lines 29-31) ("second dopant"). The specific formula (I) compound

is taught at col. 11-12 (bottom half of page), compound "1-4". Nakaya et al. further teaches "the light emitting layer may additionally contain another luminescent material in addition to the

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compound of the general formula (I)" such as those "disclosed in JP 264692/1998" (see col. 33, lines 15-19) ("first dopant"). A patent family equivalent of JP 264692/1998 is Tang et al. (US 4,769,292), which teaches fluorescent coumarin dyes as dopants (see col. 11, line 31 and following). It would have been obvious to one of ordinary skill in the art at the time of the invention to have selected the coumarin dye as an additional luminescent component for the light emitting layer, because Nakaya et al. discloses dyes such as those taught in JP 264692/1998 are suitable and Tang et al. teaches in the U.S. patent equivalent of JP 264692/1998 that coumarin dyes are suitable dopants. A prima facie case for combining the host, first dopant, and second dopant has been established and since each of the three materials are the same as applicant's materials, the emission properties of claims 1 and 3 are considered to be inherent. With regard to the dopant amounts, the Nakaya et al. formula (I) compound is used in an amount of preferably 0.01-20% weight (see col. 33, lines 38-39). The secondary reference teaches the coumarin dye dopants are incorporated into light emitting layers in amounts within the ranges of claims 4-6 (see Tables, col. 35). In addition, it would have been obvious to one of ordinary skill in the art to have included the "additional luminescent component" ("first dopant") in a similar amount as the formula (I) compound ("second dopant"), because one would except the additional luminescent component to be similarly incorporated into the device and to perform a similar function as the specifically mention formula (I) luminescent component.

Response to Arguments

6. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dawn Garrett whose telephone number is (571) 272-1523. The examiner can normally be reached Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached at (571) 272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dawn Garrett
Primary Examiner
Art Unit 1774

February 10, 2006